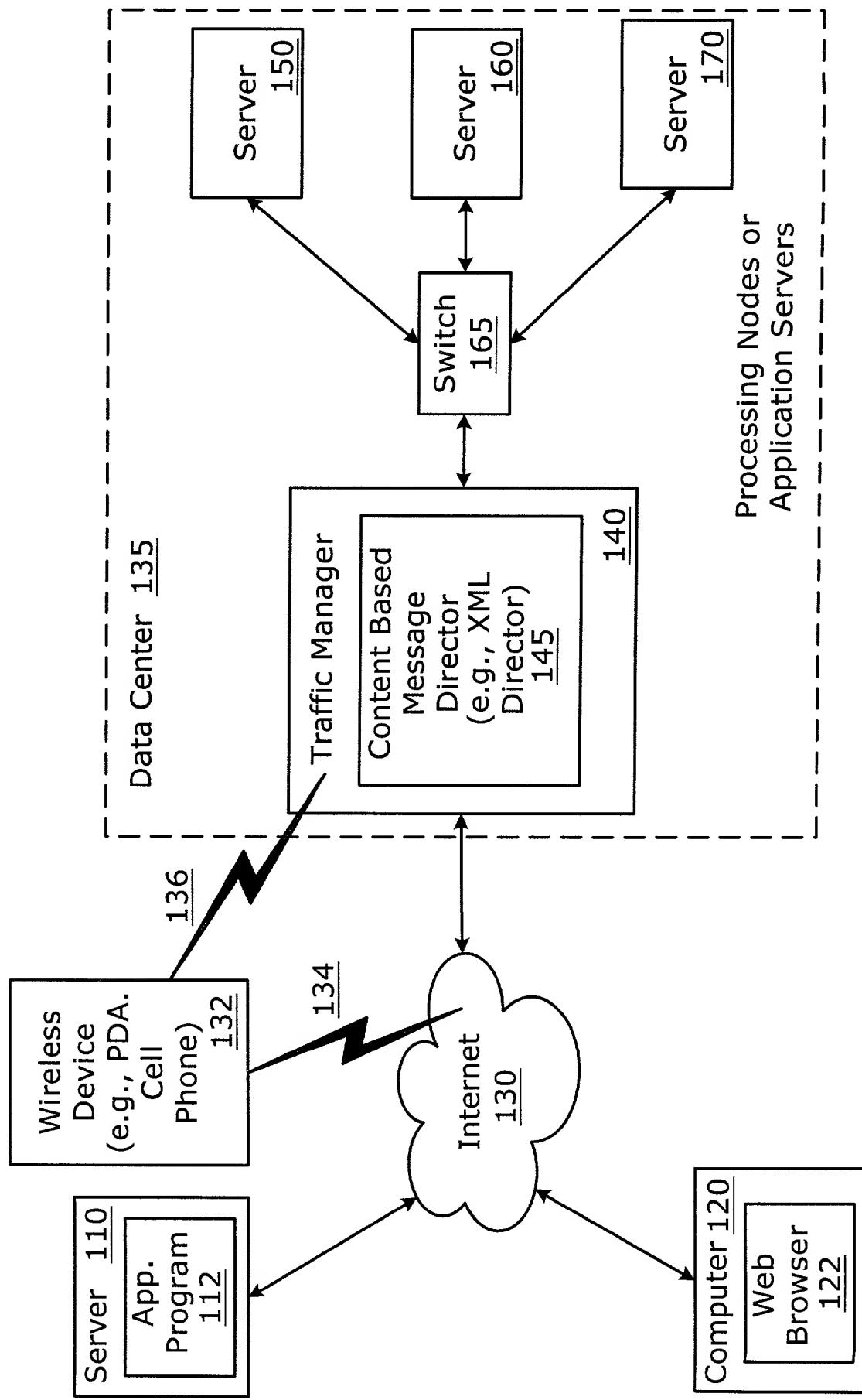


FIG. 1

Clients



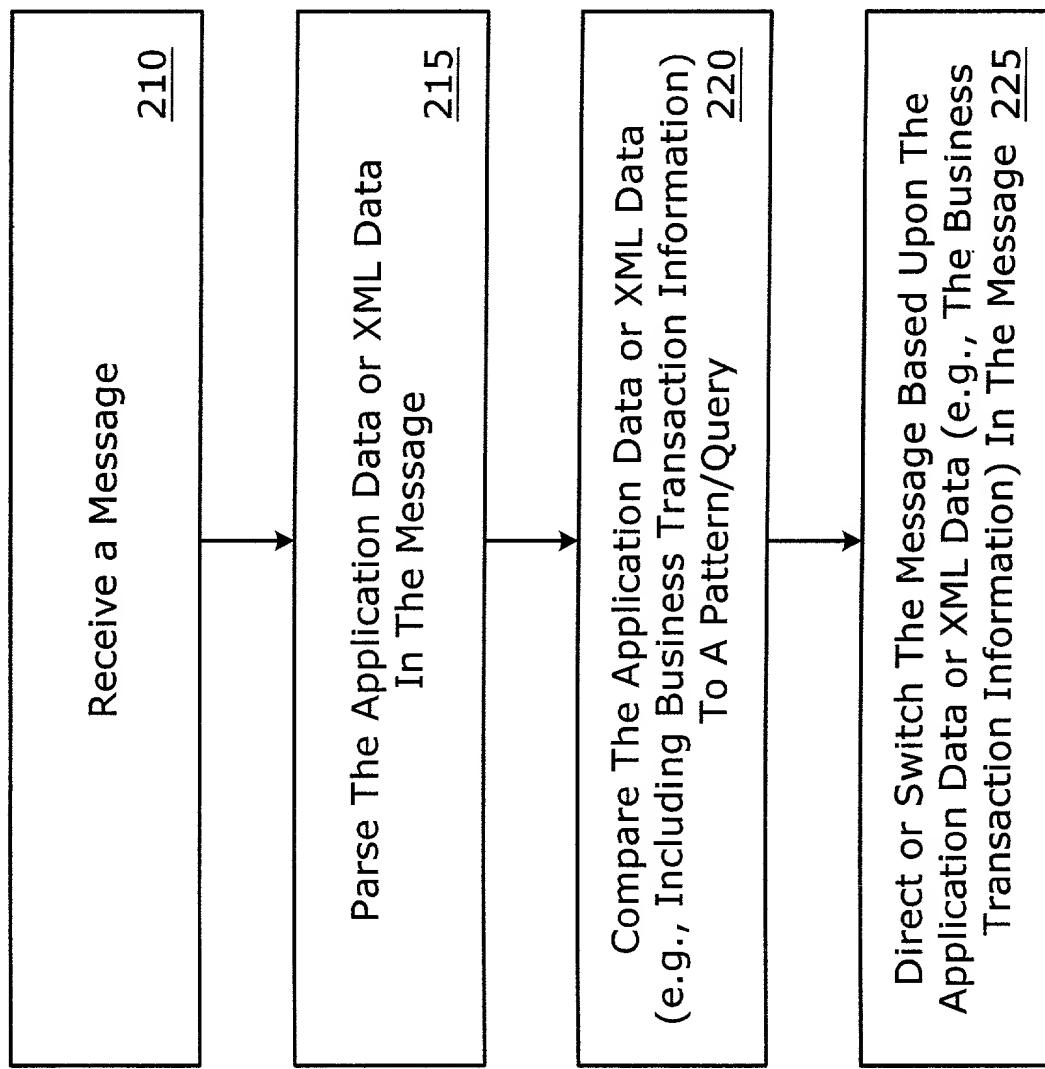


FIG. 2

Configuration
Pattern/Query

Director 145A

App. Data - Such
As XML Data
(e.g., Incl.
Business
Transaction
Information

Configuration
Memory
314

Switching
Decision
Output

Parser
(e.g., XML
Parser)
312

Content Based
Switching
Decision Logic
316

Output
Interface
320
(with
Address
Translation)

Message

XML
Messages

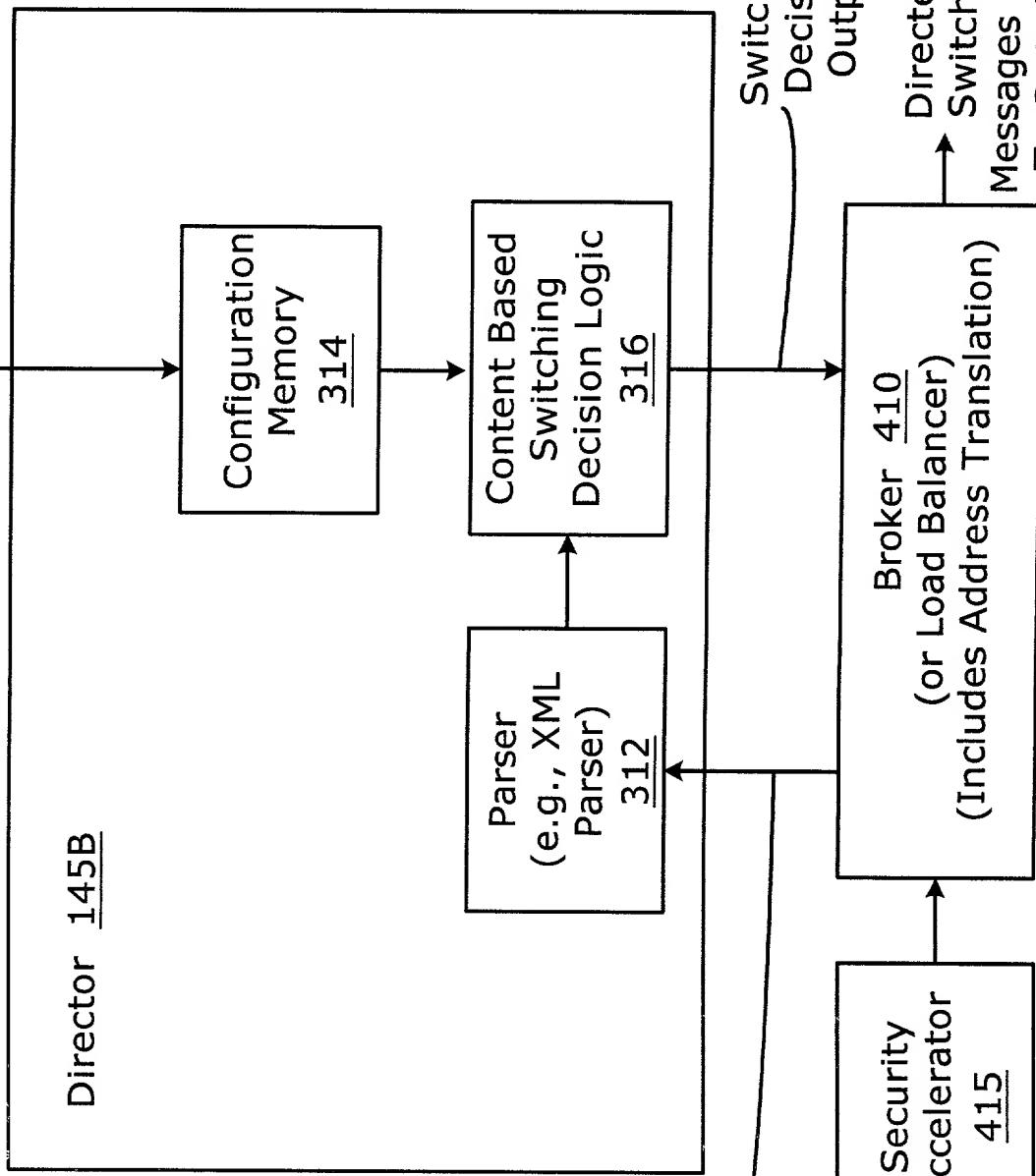
FIG. 3

To Switch
165

Traffic Manager
140

Configuration
Pattern/Query

Director 145B



(e.g.,
encrypted
msgs)

FIG. 4

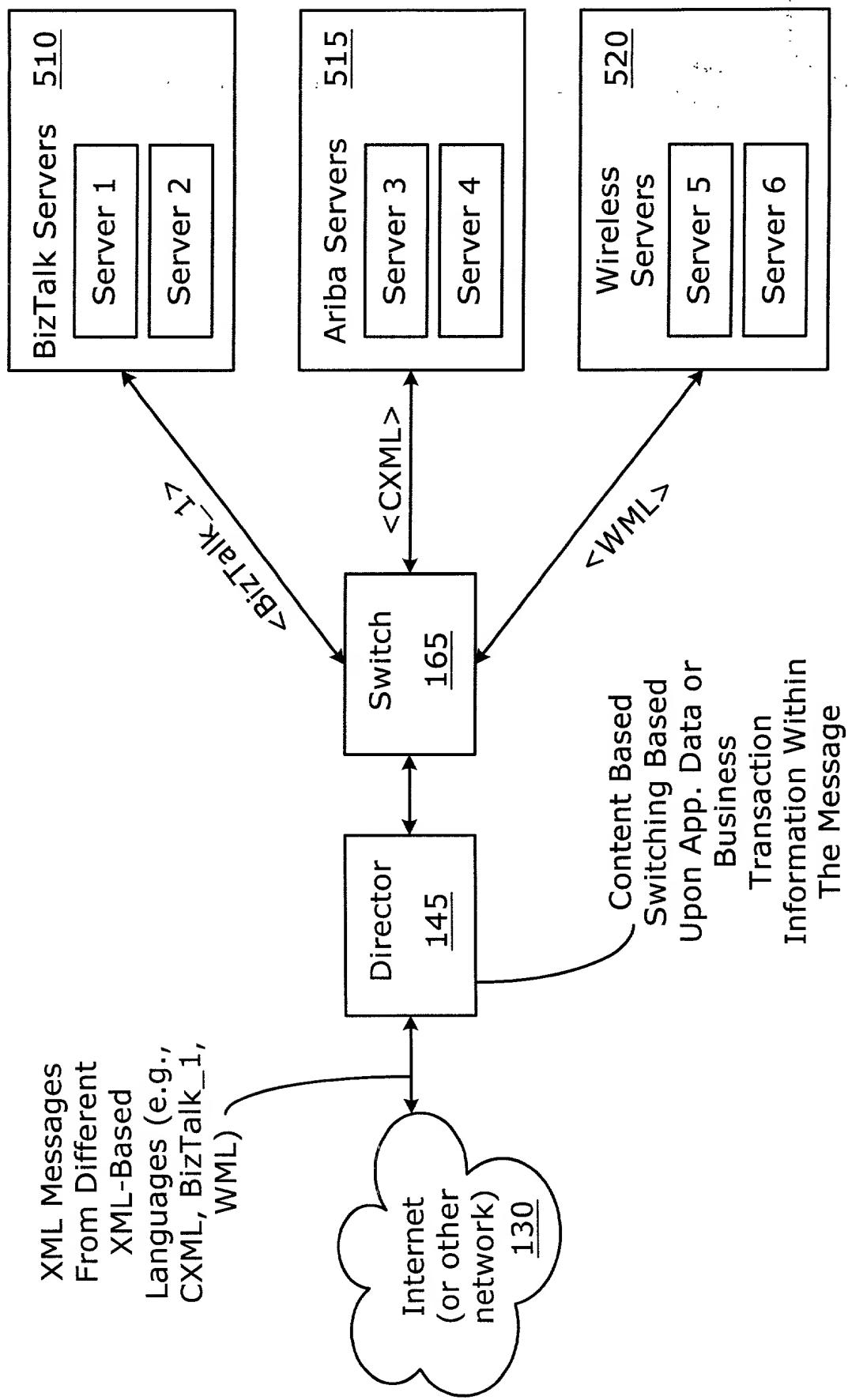


FIG. 5

FIG. 6

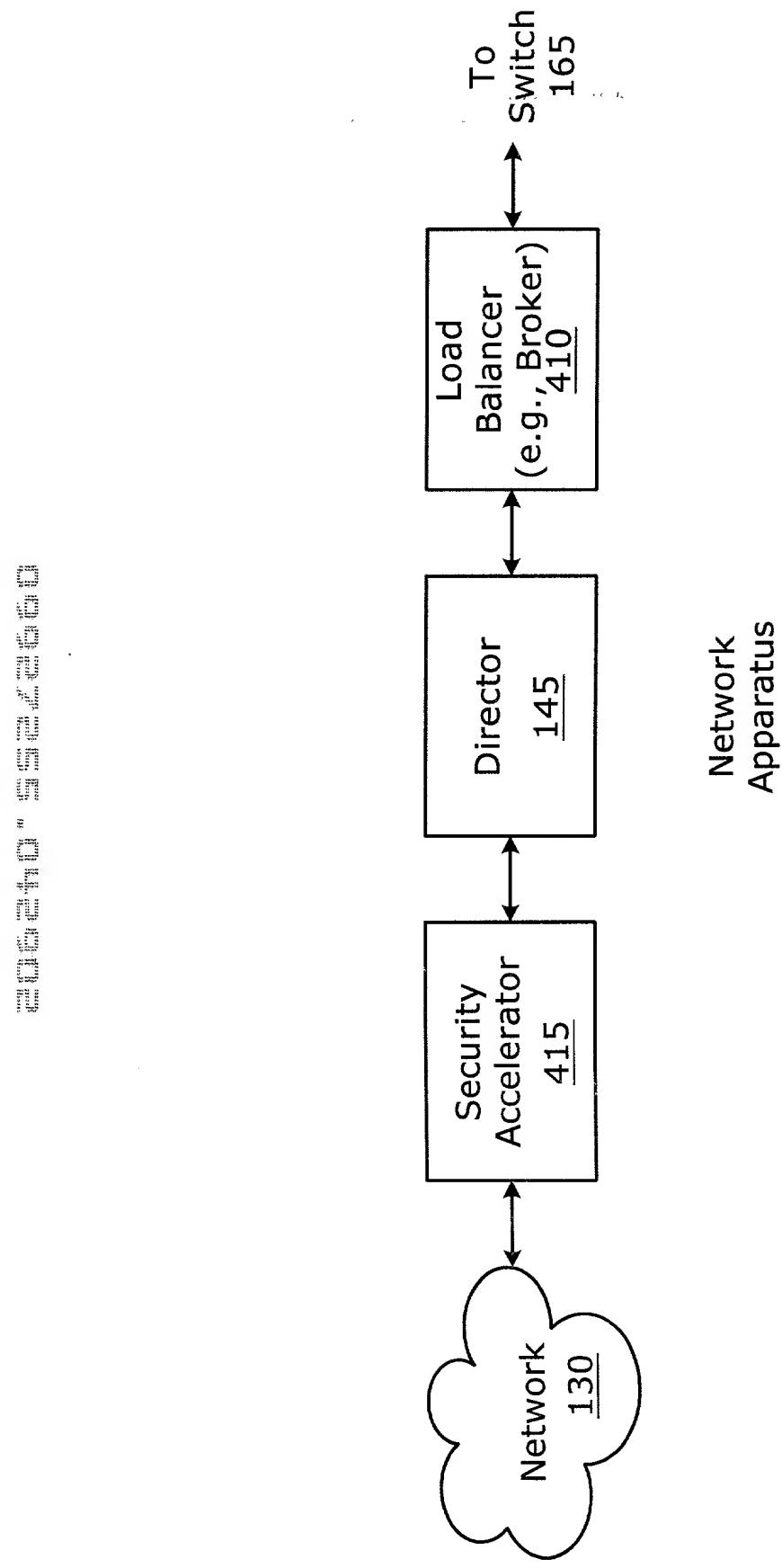
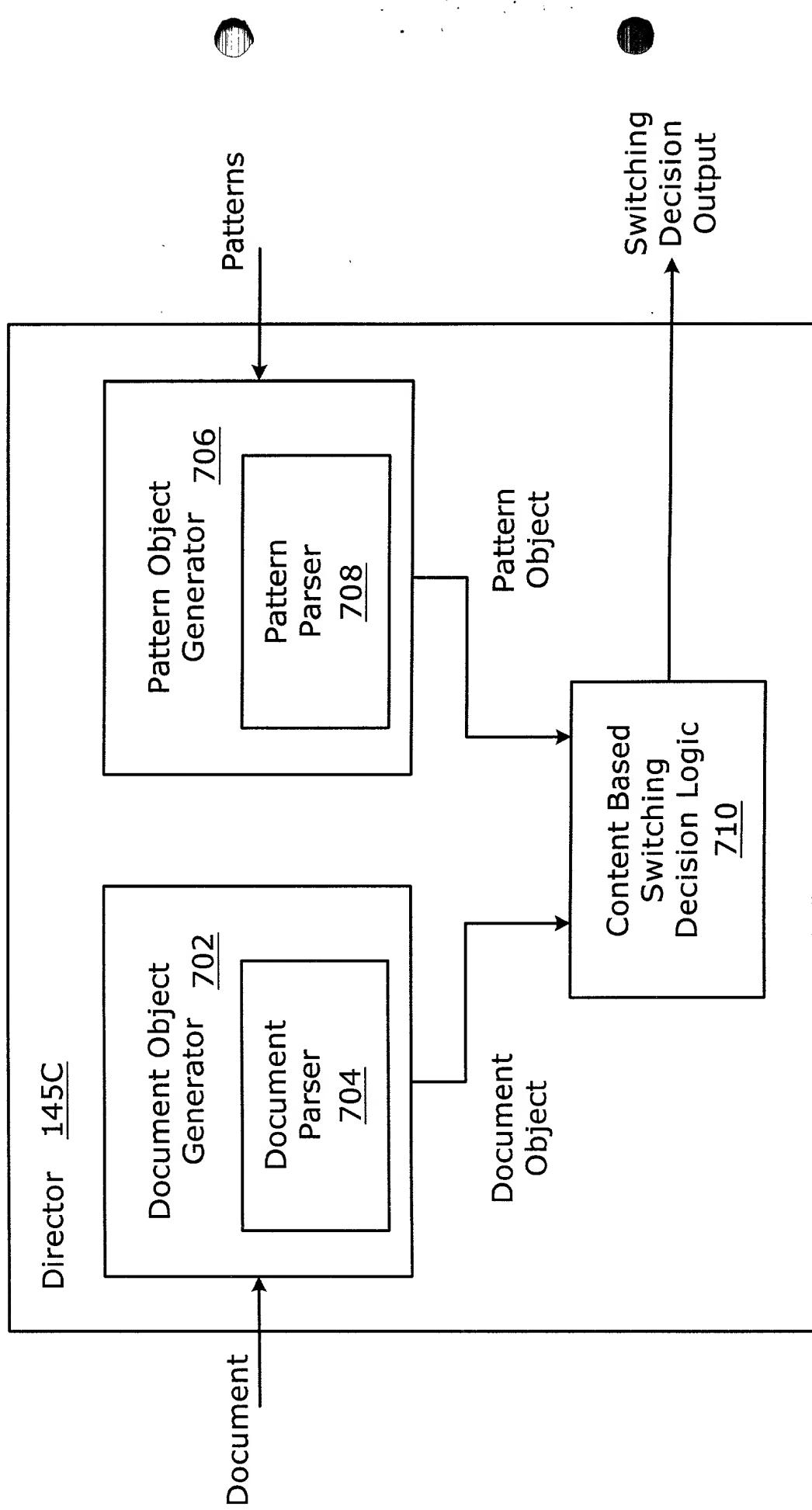


FIG. 7



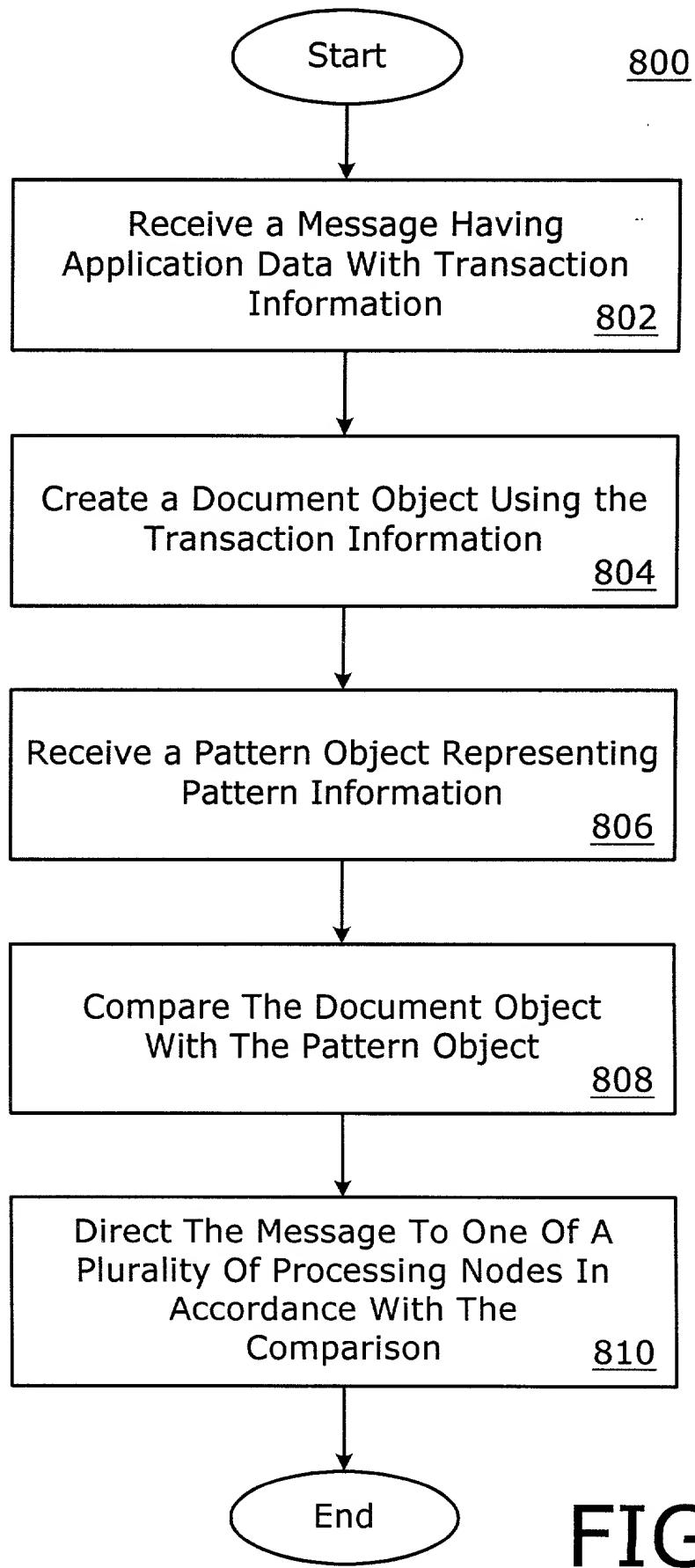
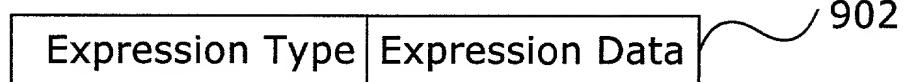


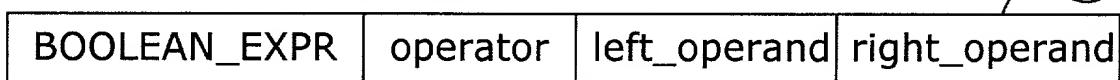
FIG. 8

900

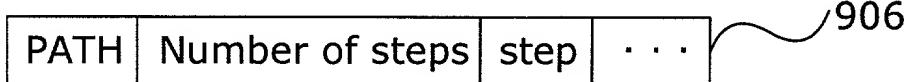
expr_t (generic XML expression object)



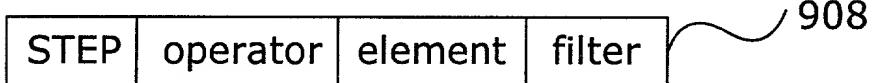
Bool_expr_t (comp_expr_t is similar)



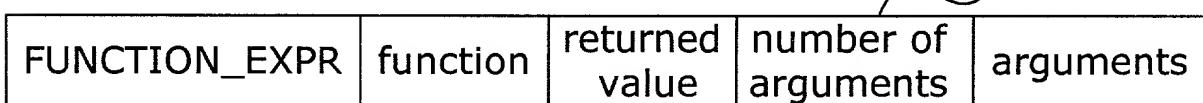
path_t



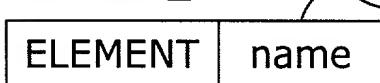
step_t



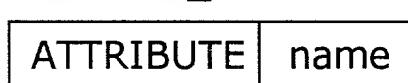
func_expr_t



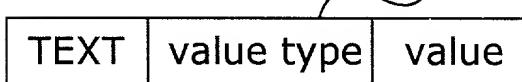
element_t



attribute_t



text_t



default_t



FIG. 9

1000

XML Pattern: //Employee/Name[@LastName= "Smith" and @Initial]

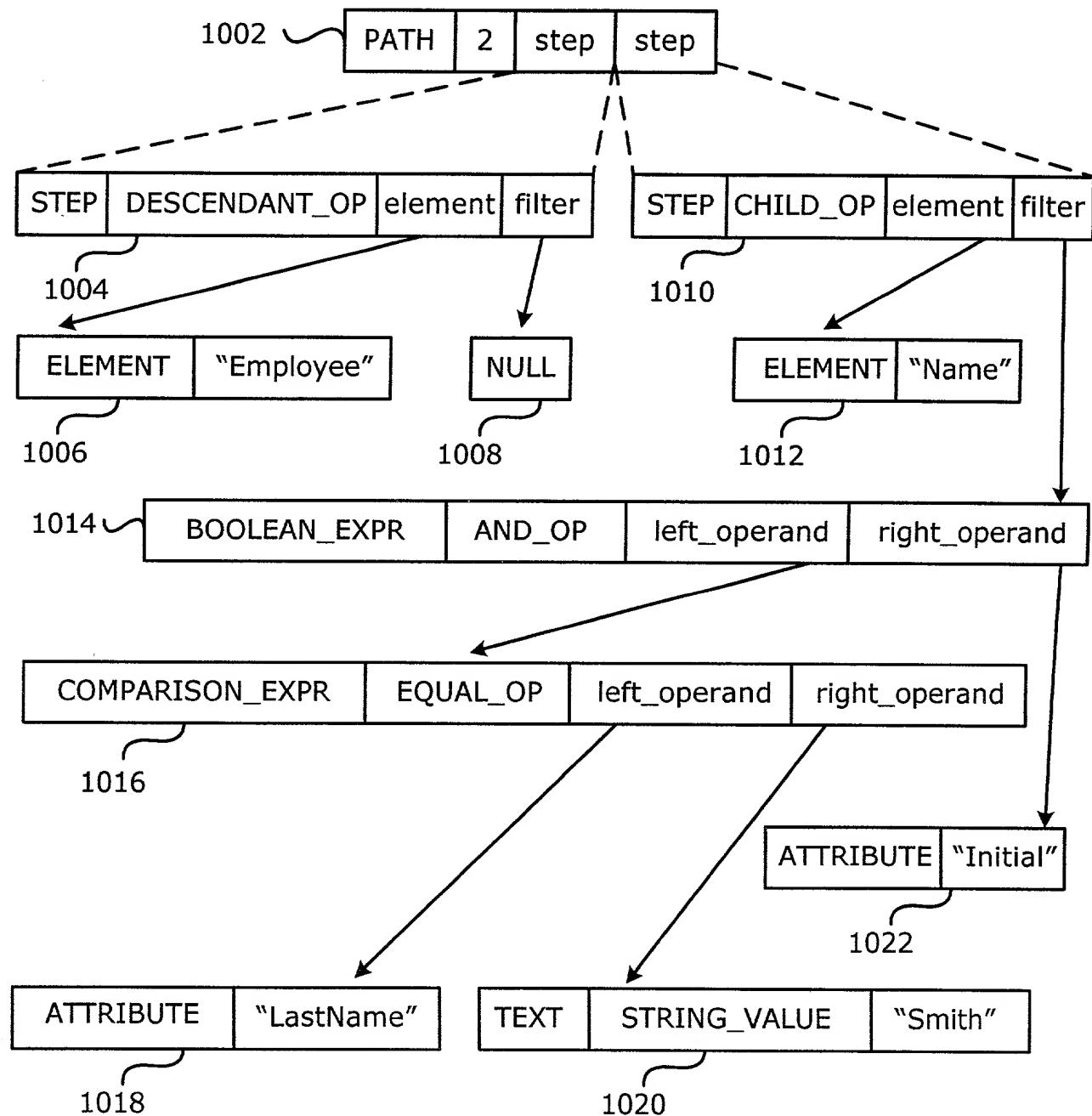
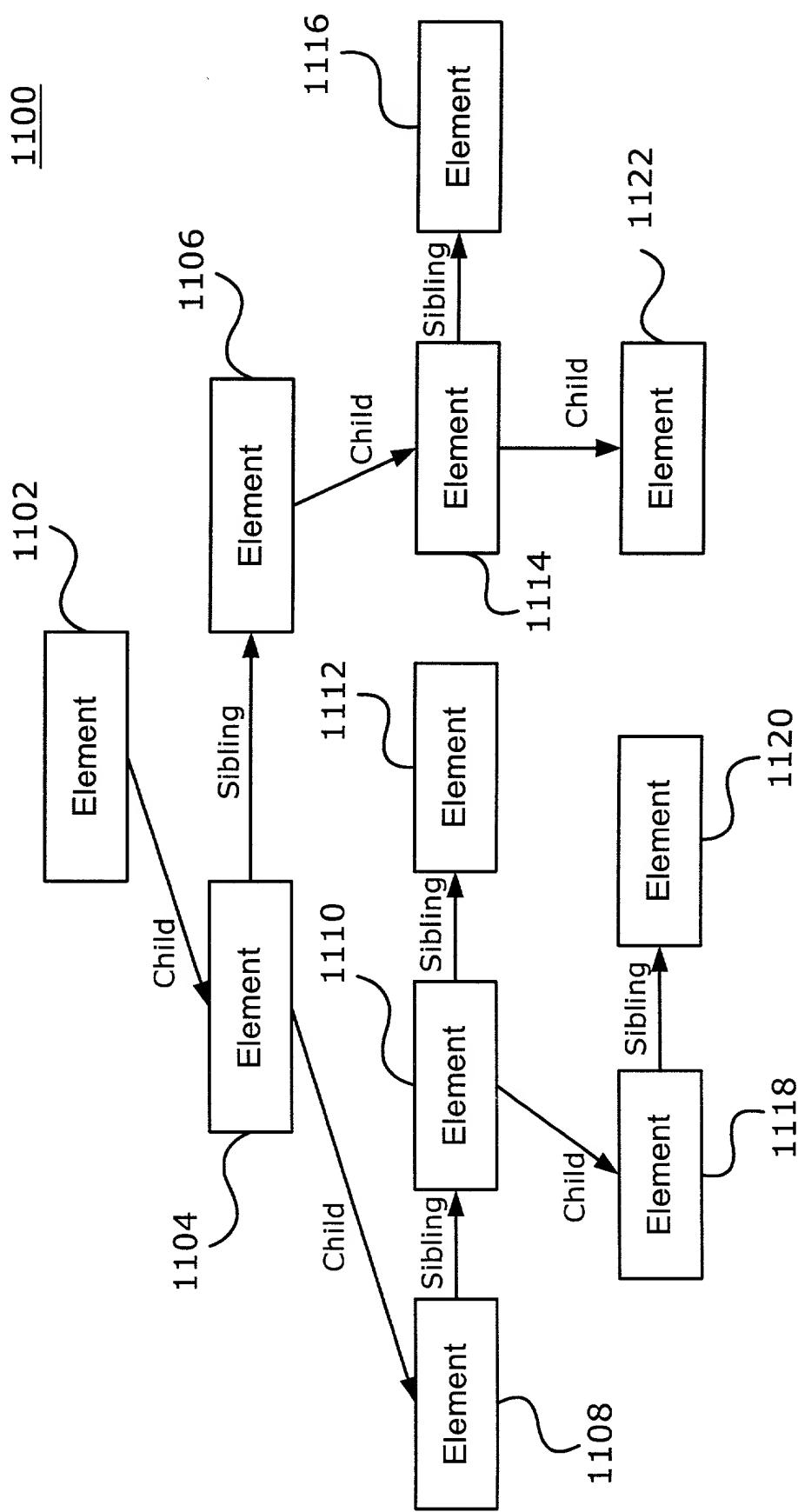


FIG. 10

FIG. 11



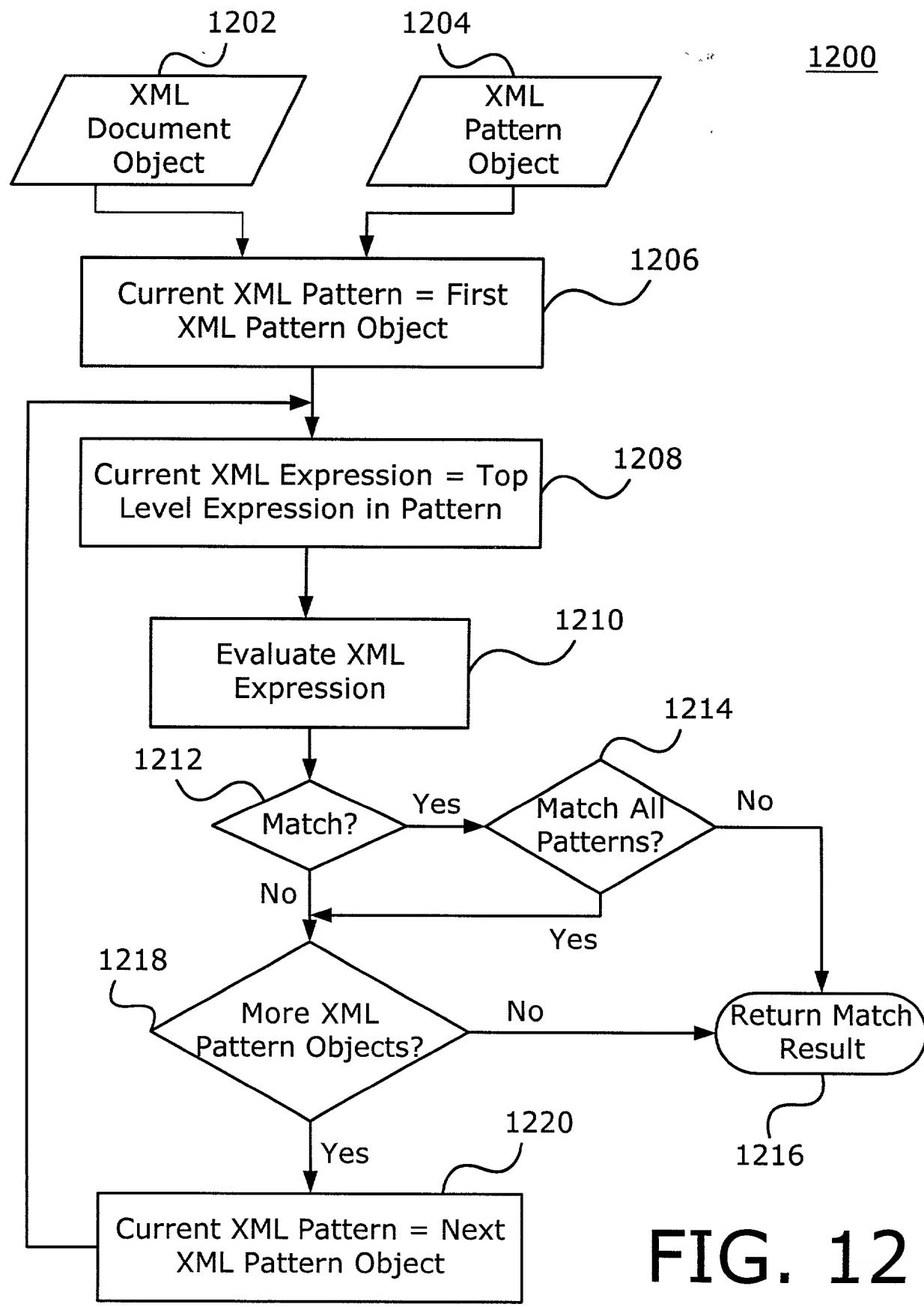


FIG. 12

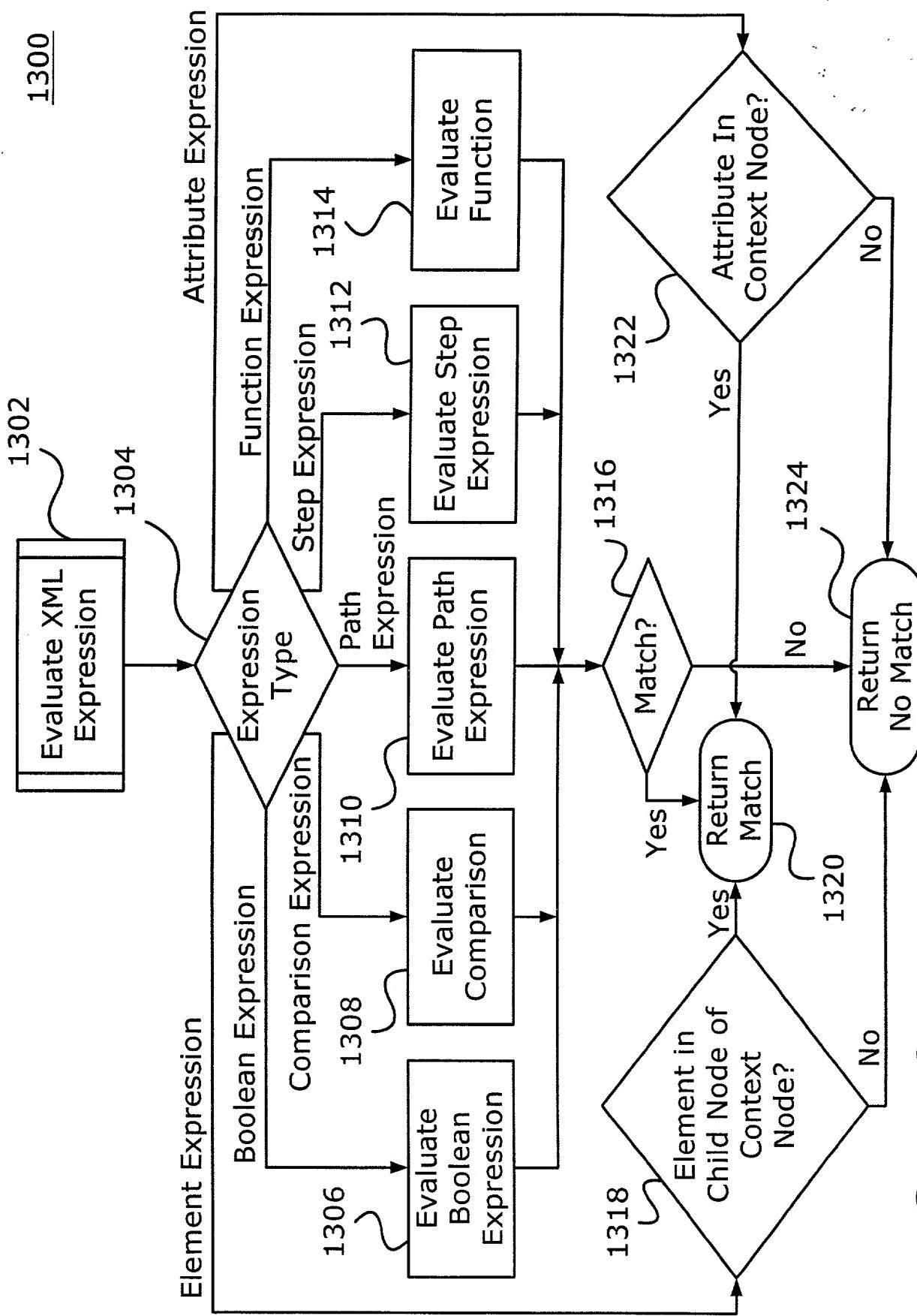


FIG. 13

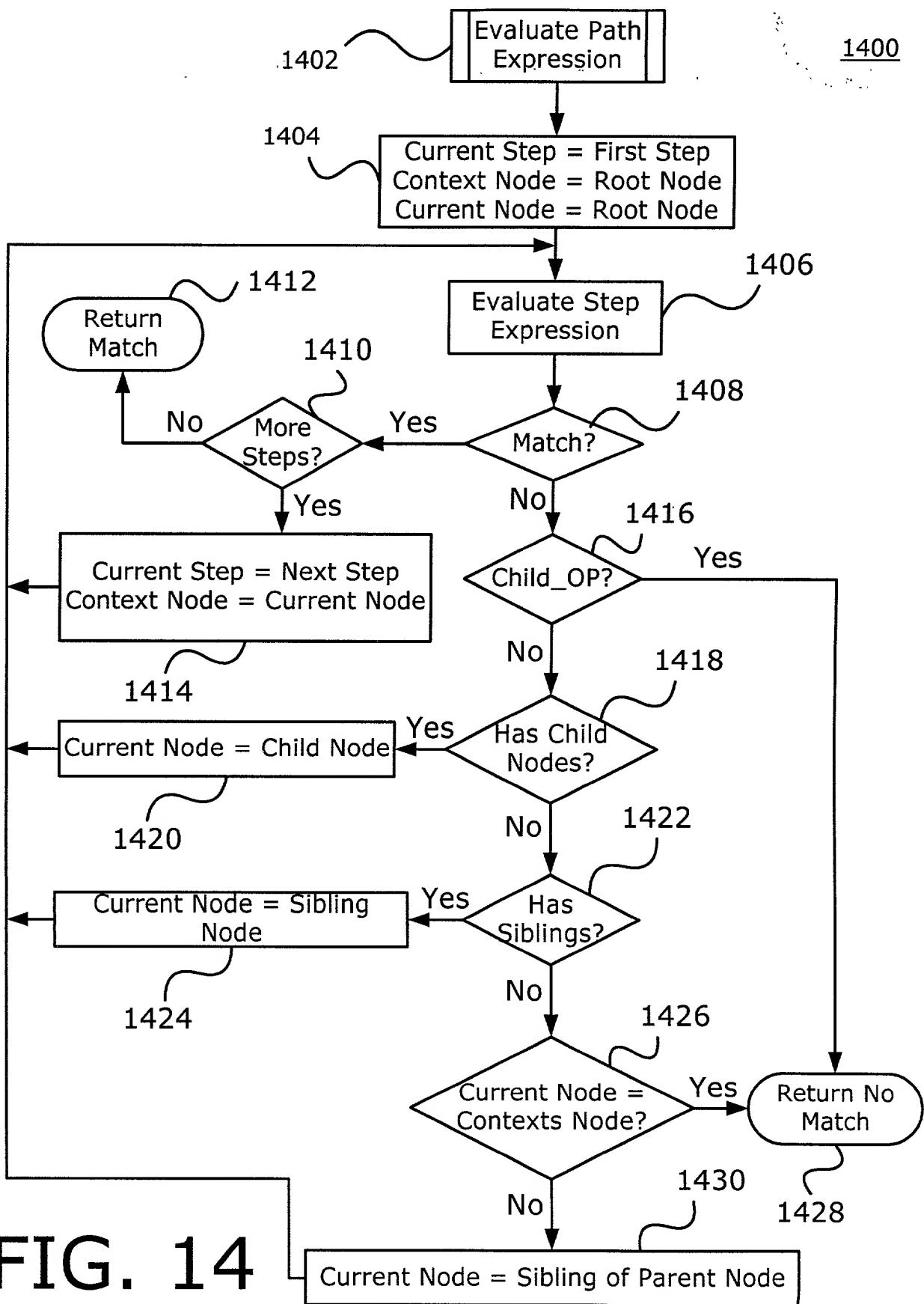


FIG. 14

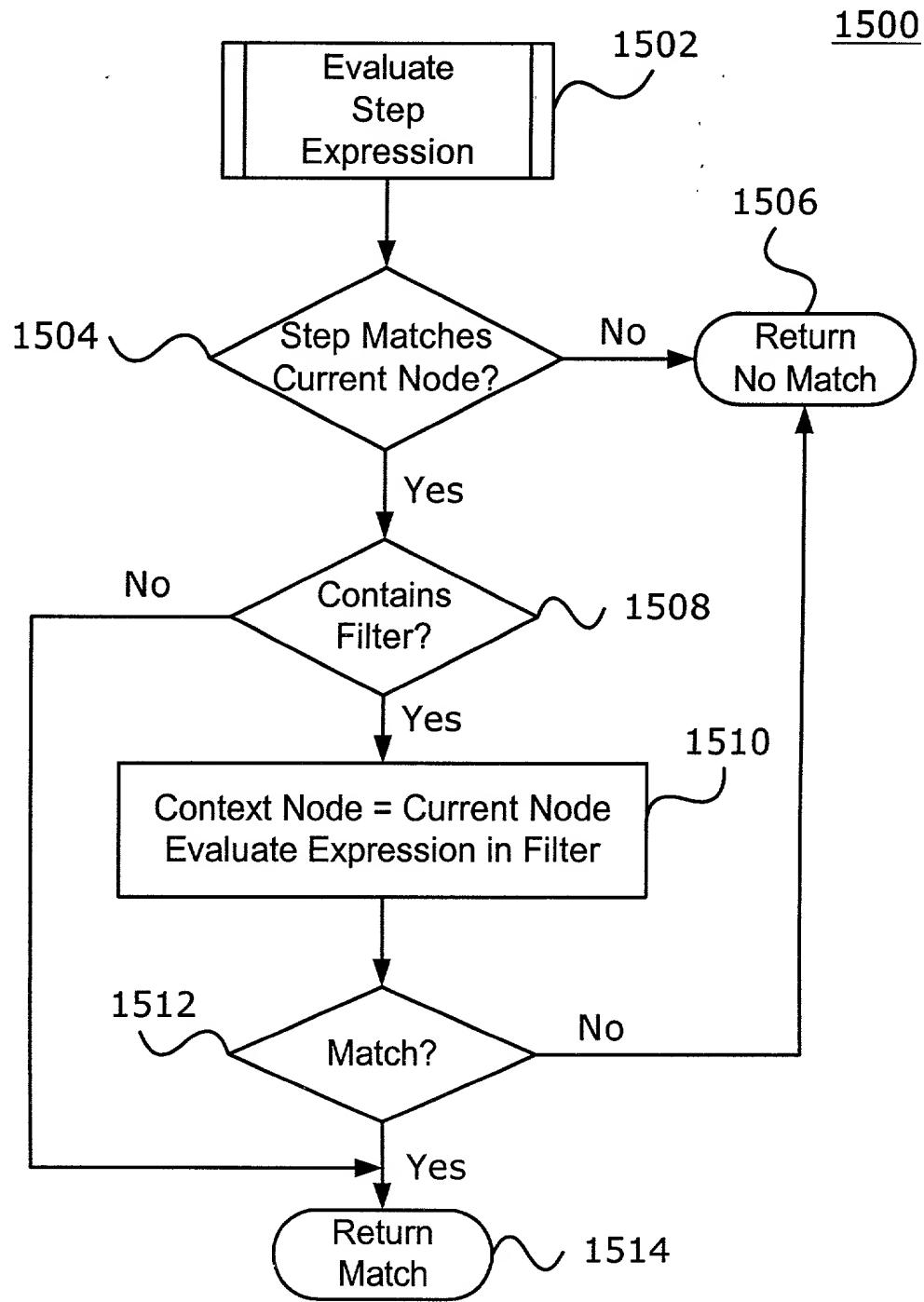


FIG. 15

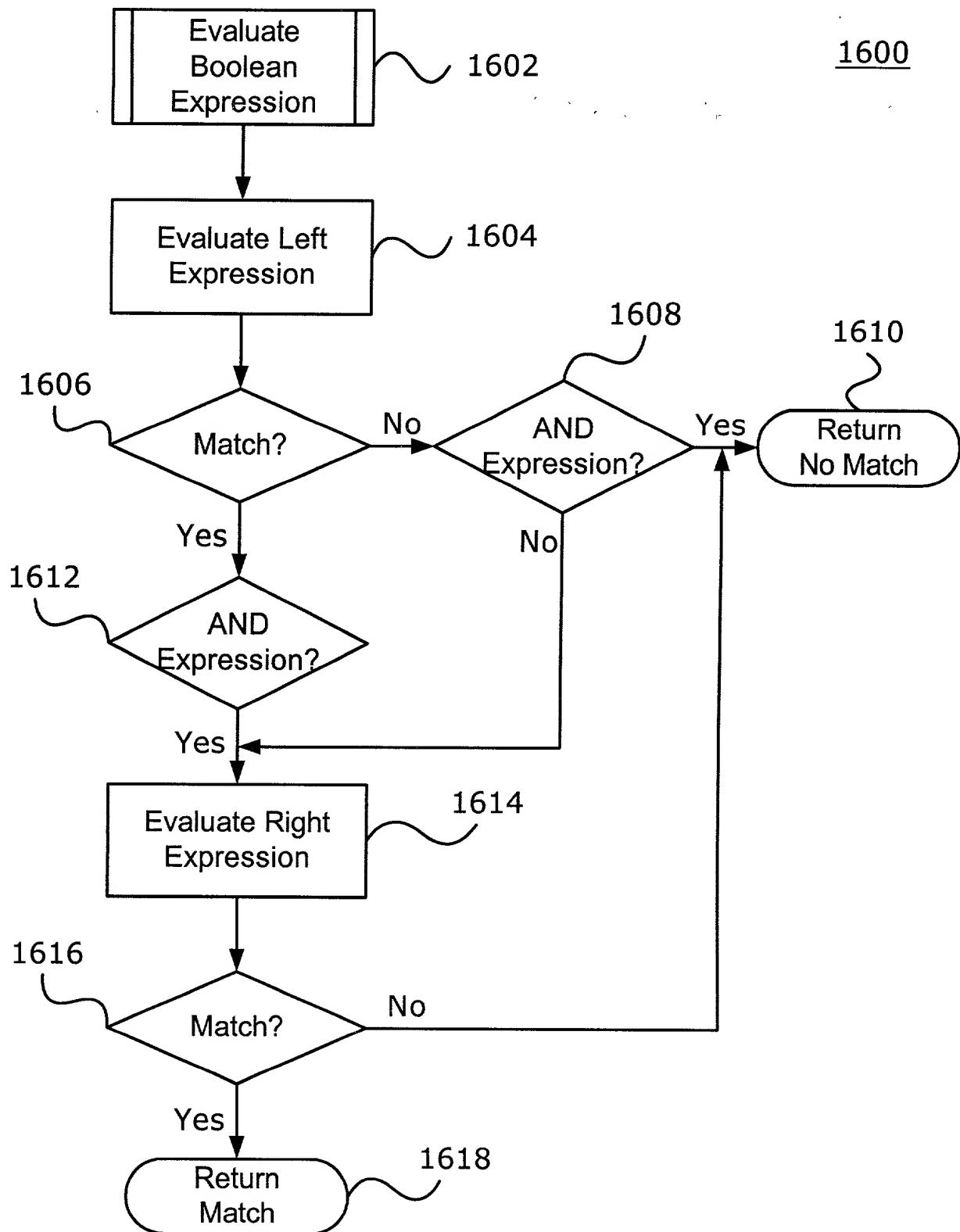


FIG. 16